

0669R – Review of MN & GDW Arrangements

6th June 2019

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Recap of proposal

- Aim was to develop a tool which is:
 - More dynamic and reflective of potential supplies
 - Mechanistic, providing more transparency to industry
 - More likely to trigger the optimum number of Margins Notices
- At Transmission Workgroup in May:
 - Recapped the proposed Interconnector methodology, dependent on analysis looking back over previous winters
 - Highlighted the challenges identified in developing the LNG methodology, and how we might resolve them
 - Agreed to present our final proposal for the new Margins Notice methodology at the June Transmission Workgroup, with a view to share the Mod and Legal Text at Transmission Workgroup in July.

Interconnector Methodology – Re-cap

- In April, we demonstrated a correlation between interconnector flow and hub price differentials
- Our proposal was to use average flow and price differential data to calculate the interconnectors figure for the Margins Notice on a daily basis as follows:

BBL Interconnector $= Min \left(Max BBL Technical Capability, Average Flow from last 2 Days * \frac{D - 1 NBP: TTF Differential}{NBP: TTF Average Differential from last 2 Days} \right)$

IUK Interconnector

 $= Min \left(Max IUK Technical Capability, Average Flow from last 2 Days * \frac{D-1 NBP: ZEE Differential}{NBP: ZEE Average Differential from last 2 Days} \right)$

Link to April's slides: https://www.gasgovernance.co.uk/0669/150419



02 LNG Methodology





Proposed LNG Methodology

 $LNG = Min\left(Expected Cold Weather Capability, \frac{Usable Stock}{2}\right)$

- For the Expected Cold Weather Capability we've used the 95th percentile of winter period LNG flow data from the last 3 years
- Usable Stock is divided by 2 to reflect the existing storage methodology.

Usable Stock = Stock Level – Minimum Storage Tank level

- For the Minimum Storage Tank Level we have taken the minimum storage tank levels seen over the past 3 years at each LNG terminal, then added the Boil Off Rate for each for 18 days
- 18 days is our proposed assumption of the amount of time required for a boat to complete its voyage and unload at a UK terminal



Applying methodologies to previous winters





Trigger frequency with new methodologies

- We established how many times the Margins Notice would have been triggered using the combined methodologies, and then just the LNG methodology, and just the Interconnector methodology
- Over the past 4 winters, the Margins Notice would only have been triggered in February and/or March 2018

	2015			2016		2017		2018			2019				
Row Labels	Combined Methodology	LNG Methodology	I/C Methodology												
Jan				0	0	0	0	0	0	0	0	0	0	0	0
Feb				0	0	0	0	0	0	1	0	1	0	0	0
Mar				0	0	0	0	0	0	9	3	2	0	0	0
Oct	0	0	0	0	0	0	0	0	0	0	0	0			
Nov	0	0	0	0	0	0	0	0	0	0	0	0			
Dec	0	0	0	0	0	0	0	0	0	0	0	0			
Grand Total	0	0	0	0	0	0	0	0	0	10	3	3	0	0	0

March 2018 – Current Margins Notice and D-1 Forecast



March 2018 – New LNG and Interconnector combined methodologies



March 2018 – New LNG methodology only



March 2018 – New Interconnector methodology only





04

Our preferred option





Our preferred option: Change LNG methodology only



Our preferred option: With ANS trigger level





05 Next Steps



Next Steps

- Agree recommendations with the Workgroup
- Close 0669R, Workgroup Report to Panel
- Raise a new mod to implement recommendations, with pre-modification discussion at July
 Transmission Workgroup
- Implement internal and website changes by 1st October 2019
- Review performance over 2019/20 winter and share findings at Operational Forum and Transmission Workgroup in Spring 2020.

New mod to include:

- New LNG methodology for a daily process
- NSS figure to include UKCS, Norway and Interconnectors, with a monthly review and additional reviews where pertinent information is highlighted to us
- Additional ANS notifications when we reach a certain percentage of the Margins Notice trigger
- Amending Margins Notice to be a winter only process to avoid misleading information over the summer.